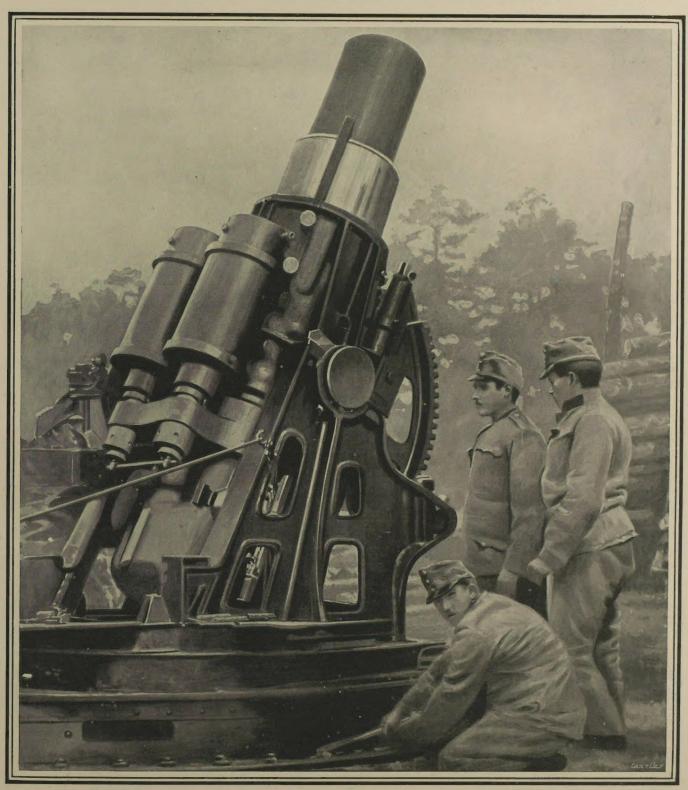
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SATURDAY, FEBRUARY 13, 1915.

SIXPENCE.

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AN ENEMY WEAPON WHICH FIRES A SHELL WEIGHING OVER 1000 LB.: THE GREAT 12-INCH SIEGE-HOWITZER OF THE AUSTRIAN ARMY.

The Austrian 30'5 centimètre (12-inch) siege-howitzer probably ranks next to the monster 42-centimètre (16'5-inch) siege-howitzer which is understood to have been employed against certain of the Belgian fortresses in the earlier phase of the war and is the most formidable piece of heavy ordnance in Europe. The pieces are made at the Austrian counterpart of Krupp's works, the Skoda Waffenfabrik, in Bohemia, which supplies the

imperial armies with their artillery and ammunition. The howitzer was first made in 1913, when it was experimented with at the year's manoeuvres. The 30'5-centimétre howitzer is capable of elevation up to 65 degrees, recoils 6 feet at each discharge, and fires a shell weighing upwards of 1000 lb. The barrel weighs 6½ tons, the total weight, with recoil equipment and mounting, being a little more than 28 tons.

"OUR NOTE-BOOK."

Owing to the continued illness of Mr. G. K. Chesterton, we are compelled to omit "Our Note Book." We trust that Mr. Chesterton will be well enough to resume it before long.

PARLIAMENT.

PARLIAMENT.

The War Session of the House of Commons is proceeding quietly. While the right of criticism has been fully preserved, the party sword is sheathed, and as much assistance as possible is given by the Opposition to the Government. Realities of war were made visible to the House on Monday when a writ was moved for the election of a Member for Mid-Antrim in room of Captain O'Neill, "killed in action"; and when Mr, Hilton Young, on his return for Norwich, was introduced wearing the uniform of the Royal Naval Reserve. The Army has been the main subject of this week, the Estimates for it being submitted in dummy, and no actual figures given. Even if real estimates could have been formed, it would have been inadvisable to disclose them to the enemy. Mr. Tennant, the Under-Secretary for War, in his skilfully reserved and discreet, yet interesting, review of the Army, informed the House that recruiting had been very satisfactory, but recommended "a little more energy"; he made a reassuring announcement with regard to our ability to meet the requirements in horses, boasted that the British design of aeroplane had proved itself superior to that it any other nation, gave the testimony of Sir John French to the high value of the Territorials; praised the sanitary service, and was specially cheered when, in referring to enteric, he said evidence was accumulating in favour of making inoculation compulsory. An eloquent tribute which he paid to the valour of the British soldier was endorsed by Mr. Walter Long, who said his heart was as brave and his hands as clean as had been those of his predecessors. Another attack was directed at the Press Bureau, which provokes more criticism than any other branch of administration, except that relating to recent of his predecessors. Another attack was directed at the Press Bureau, which provokes more criticism than any other branch of administration, except that relating to marked capacity, having succeeded Mr. Masterman as Chancellor of the Duchy of Lancaster, his place at the

AT THE BOOKSELLERS'.

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SUBWAY WARFARE: IN THE RUSSIAN TRENCHES.

BY GRANVILLE FORTESCUE.

THE modern warrior has developed the characteristics

THE modern warrior has developed the characteristics of a mole. He-lives underground, and displays his greatest activity at night. With the coming of subterranean warfare, as trench-fighting can be appropriately called, great armies have had to adopt unique methods. They have been compelled to build peculiar little forts—for a trench is a fort, in fact—wherever their soldiers meet the enemy. In consequence, these rectangular excavations have been improved far beyond their original outline.

The first trench was nothing more or less than a hole in the ground, deep enough to protect a man kneeling, standing, or sitting, as the case might be. Before the day of the modern rifle and modern cannon, these defences, with a couple of feet of loose earth thrown up in front of them, served admirably. In Civil War days the question of head-cover was of minor importance; to-day a protective roofing is the sine qual non of any well-constructed trench. Early in the Great War it was discovered that the trench offered the safest haven from the bursting shells of the enemy's field artillery. To all intents and purposes, shrapnel—or, as its inventor termed it, the man-killing projectile—is practically harmless in its effect upon entrenched troops. Unless a shell can be placed absolutely within the two-feet wide excavation, it wastes its destructive powers on the inoffensive earth and air. This has led to a modification of artillery methods, which, in turn, compels the elaboration of the trench and emphasises the importance of head-cover.

I had unusual opportunity of studying this new phase of warfare when the Germans were making their heartbreaking but futile charges against the Russian trench-lie in Poland defending Warsaw. I visited Sochaczew several times when that unfortunate town was under the fire of the enemy's bomb-throwers. It is on the banks of the enemy's bomb-throwers. It is on the banks of the enemy's bomb-throwers. It is not he banks of the extendy so miles are a series of these little earthworks, and never a day p

The houses of the town of Sochaczew have literally been beaten to earth by the German giant shells. They have

THE END OF THE "BLÜCHER."



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disintegrated under the shower of blasting cones of fire. Whole streets are tumbled into one indistinguishable mass of brick and rubble. Where a house does stand, its roof or front has been torn off, leaving exposed a pitiable disarray of its sacred Lares and Penates.

A furtive dog skulks through the deserted streets. But of those who lived in what was once a peaceful, happy town, not one remains. Your first impression is that the place is absolutely deserted; then you are startled to see a soldier suddenly pop out of the ground at your feet: three or four other heads will appear from openings that gape in the soil. You have stumbled on a company camp. It bears no resemblance to a camp in the popular sense: not a tent, not even the despised dog-tent, is stretched above ground!

not a tent, not even the despised dog-tent, is stretched above ground!

It reminded me vividly of the prairie-dog village in the Bronx "Zoo" park. The entrances to the underground huts, which make a little mound above the surface of the ground, are all that you notice, except a conspicuous chimney. Every dug-out has an open fireplace. Of course, it is only large enough for one or two sticks of wood, but this serves amply for cooking and heating purposes. After one or two polite inquiries—the Russian soldier is always polite—I was taken to Major Sokolowski, of the 266th Regiment, who invited me to the commodious cavern which served as his quarters. He was dug-in behind the brick walls of a burnt-out house about three hundred yards in rear of the fire-line trenches. Coming from the bright sunshine, it was a moment before my eyes got accustomed to the semi-darkness. The commanding officer's cavern boasted no luxuries. A table, two stools, and a rough shake-down were all that it contained in the way of furniture. Before the table sat his Adjutant, writing by the light of a penny dip. Military routine went on with the same regularity as above ground. After the usual polite greetings, the Colonel, pointing to the report that lay on the table, said, "It's a recommendation for bravery." Then he told me the remarkable story of Private Fuchs.

This soldier had only just returned from accomplishing.

Dravery. Then he told me the remarkable story of Private Fuchs.

This soldier had only just returned from accomplishing an exploit of the greatest nerve. An interesting phase of the present warfare is the interchange of proclamations. So common is the custom that it might be called the Proclamation War. The Germans drop from their

aeroplanes thousands of handbills containing direct appeals to the Polish population and the Russian soldiery. Sometimes the handbills take a special form. One has the picture of a galloping Turkish cavalryman at its head, and in Arabic and Russian a statement that the Mussulman people have declared a Holy War against the Tsar.

Another is made up in the imitation of a five-rouble note. Across its face it says: "We will pay to any Russian soldier who delivers a rifle within our lines the sum of five roubles." On the other side is the picture of a fat and smilling Russian peasant supposed to be a happy prisoner in Germany.

To counteract the effects of these posters, the Russians have composed an answering handbill telling the Germans to put no faith in the mythical victories published by their Staff, and not to sacrifice themselves just to forward the useless ambitions of their officers. Private Fuchs engaged to deliver a packet of these posters in the enemy's lines. At the darkest hour of night, with a wrenched-off door as his raft, he paddled softly across the Bzura. He eluded the vigilant eyes of the enemy's picket until the very moment that he was about to land on the German side of the river. Here the Bzura is not more than fifty yards across. Evidently hoping to catch Fuchs alive, the German sentry did not fire, but, calling several of his companions, ran out as if to surround the Russian. But the wily Fuchs ran directly forward, which was not what his opponents expected, and he managed for a moment to elude them. He half-hid in a shell-pit directly under the German first-line trench, where he remained concealed from the enemy until they suddenly shot off a rocket. The falling stars lit up the country for half a mile, and showed the cowering Russian in his hiding-place. With a shout, the Germans again rushed at him. But as the silver sparks died out Fuchs again eluded his would-be captors, leaving a trail of handbills behind him, like a leader in a paper-chase, got back to the river bank, returned to his

For this he has been recommended for the St. George's

After taking a photograph of Private Fuchs, who was paraded for my benefit, I started with the Adjutant and another officer for the fire-line trenches. First we stopped at the Russian observation post. This was in the garret of a brick building which had been greatly damaged with German shell-fire. It was hardly fifty yards from the banks of the Bzura, overlooking the bridge of the Kalish Road. Across the river I easily made out a line of raw earth regularly marked with loop-holes. These were the German trenches. Beyond them, near a wood, with a glass I could make out a battery in position.

"If you stay too long before the look-out, they shoot at you." This was a polite remonstrance from the Adjutant. I had been so interested in studying the German positions, undoubtedly I had more or less exposed myself. I managed to get a good picture of the bridge and the distant line of trenches before the tsing-tsing-tsing of speeding bullets announced the enemy's intention of cutting short my stay at the look-out.

Making my way down a rickety ladder, I found myself in the streets of what was once Sochaczew. The utter desolation and ruin appalled me. But, above all, I was struck with the injustice of war. What had the unfortunate inhabitants done that their peaceful homes should be suddenly turned into a heap of brickdust and ashes?

Passing down a side street, we suddenly found ourselves at a corner from where we had a clear view of the opposite river bank. Also, if we turned that corner, anyone on the opposite river bank could have a clear view of us. The Adjutant asked with a smile, "Shall we take the short cut—yes?"

Seeing that it was the expected answer, I innocently readed. After taking a photograph of Private Fuchs, who was

opposite river bank could have a clear view of us. The Adjutant asked with a smile, "Shall we take the short cut—yes?"

Seeing that it was the expected answer, I innocently replied, "Yes, certainly."

I later discovered that there is a zigzag approach to the fire-line trenches under perfect cover. This is used in moving large bodies of troops to or from the front position, and also for bringing up ammunition and food. Otherwise, the short cut is used: it is across an open stretch of fifty yards commanded by German sharpshooters.

"I will go first," said the Adjutant. He darted across the open like a hare, but before he reached safety three bullets bit into the bricks above his head. I knew this running-the-gauntlet game from personal experience when I was a Roughrider in Cuba. But at that time I played the sharpshooter's rôle, watching for unwary Spaniards. I knew just as well as if I had been there what was happening in that German sharpshooters' trench. The first three shots had been fired by the look-out. Then he used the German equivalent for "Get up, you fellows; there are some dammed fools trying to cross our zone!" And the rest of the squad jumped behind their loop-holes and shifted their rifles for better aim.

All this flashed through my mind as I started out to break the fifty yards' dash record. Subconsciously I counted eight singing bullets whistling through the air before I was once again under cover. But not even the skirt of my voluminous Russian uniform overcoat was touched. I turned to watch the two other officers make this dash across the danger zone. Those Ger. ans were certainly fourth-class marksmen. An American outfit would at least have winged somebody.

We turned into the saps leading to the river-bank. The approach leads through a Cemetery. One section of the fire line is cut through a Hebrew burying-ground. The quick and the dead sleep side by side.

This bank of the Bzura rises almost sheer thirty feet above the stream. In the brilliant sunlight it was almost impossible to believe tha

But overhead the shells were whining. At intervals that were timed with seeming care the great projectiles would explode. It was not a hurried performance, but the leisurely practice of a game so long played that it is not interesting. In trench warfare the cannon never cease.

(To be continued next week.)







THE entry of the war into its seventh month was signalised by a considerable sensation, preceded by an atrocious crime—not only against international law, but against the laws of humanity. Contrary to the Hague Convention of 1907, to which Germany was a party, a German submarine, fifteen miles off Havre, fired a torpedo at the British hospital-ship Asturias, a fine, capacious liner of 12,000 tons; but, by the mercy of God, missed it. There could have been no doubt in the minds of the submariners as to the character of their target, since the evening light was still good, and the vessel wore the livery of all such Samaritan ships—a white hull with a green, horizontal, Plimsoll-like line round it, and on either beam—apart from the flag—a huge staring red cross which no one unafflicted with myopia could possible mistake. Yet this sacrosanct vessel,

could possible mistake. Yet this sacrowith its freight of helpless wounded men, was in the most dastardly manner made the deliberate mark of a German torpedo — to the hand-upraising and horror of the whole civilised world, to which Germany can no longer claim to belong.

Next day it was officially announced at Berlin that "as England is about to ship to France a large number of troops and a great quantity of war material, we shall act against those transports with all the military means at our disposal," while "peaceful shipping" was strongly urged not to place itself in harm's way. Two days later, the war being now exactly six months old (which was far too much for German patierce that had hoped to have been victoriously done with it inside three months), the Admiralty at Berlin gave formal notice that the United Kingdom had practically been placed under a blockade; that the surrounding waters were to be regarded as a "war-region"; that all merchant vessels found therein were liable to be sunk off-hand without statutory warning or benefit of clergy to the crews and passengers; while reutral shipping was warned that, owing to the exigencies of the situation, it might incur the fate which in this wickedly capricious and undiscriminating world so often involves the innocent with the guilty.

A chorus, or rather, a concerted scream of approval arose from the furious, foaming-at-the-mouth German Press. Our Government, on the other hand, through the Foreign Office, was quick to reply to this murder-at-sea manifesto. "By the rules of international law," it said, "the customs of war, and the dictates of humanity, it is obligatory upon a belligerent to ascertain the character of a merchant-vessel and of her cargo before capture. Germany has no right to disregard this obligation. To destroy ship, non-combatant crew, and cargo, as Germany has announced her intention of doing, is nothing less than an act of piracy on the high seas." In other words, the "Pirates of Penzance" had been fairly outdone by the pirates of Potsdam; while for the Eagle of Brandenburg—a most rapacious and evil-omened bird—the Kaiser had now frankly substituted the "Jolly Roger" with its white skull on a black ground.

Throughout all neutral countries this second "Berlin Decree"—the first had been issued from the same capital by Napoleon after Jena—was received with the utmost indignation and protest, but nowhere more so than in the United States, where one leading paper referred to the Kaiser as the "mad dog of Europe which would have to be tethered up"; another remarked that Germany's "navalism" was clearly tarred with the same brush as her militarism; a third characterised the edict as "arrant stupidity, if not piracy"; a fourth held it to be "a declaration of war against the entire world." One writer declared

that "its effect upon German propaganda in this country [America] must be paralysing"; another said that "desperation could go but little further"; while the moral drawn by all was that the Kaiser must have been insane to issue such a suicidal ukase—the more so since he must be well aware that his "paper blockade" could be no more effective than that of 1806. It was a case of William the Grandiose trying to ape the methods of Napoleon the Great.

to ape the methods of Napoleon the Grantose trying to ape the methods of Napoleon the Great.

Turn we from those "paper blockades"—those "quibbles quick and paper bullets of the brain"—to bullets of a much more substantial, because silver and even golden kind, as exemplified by what has been called the "Three-Power Pool," which was formally established at Paris by the Finance Ministers of England, France, and Russia. The news of this international Consortium was all the more gratifying

A LOSS TO THE COUNTRY: THE LATE MARQUESS OF LONDONDERRY, K.G., P.C., G.C.V.O., C.B. From the King and Queen, who counted him among their personal friends, to the collier working in the great Durham mines, which were the principal source of the great wealth of which he made such wise and beneficent use, everyone who had been brought into touch with the late Marquess of Londonderry learned of his death on February 8, at Wynyard, with a sense of personal loss. Highminded, sympathetic, kindly to a degree, Lord Londonderry regarded his great position, his wealth, and his powerful influence as held on trust for the good of all with whom he was associated; and to personal dignity, wide political knowledge and experience, he added a fine sense of justice and of honour which compelled the respect even of those most rigidly opposed to his political views. Sportsman and man of the world, as well a statesman, Lord Londonderry was a real power in many phases of the national life. He was in his sixty-third year. His activities at various periods included those of M.P. for Co. Down, Chairman of the London School Board, Postmaster-General, Fresident of the Board of Education, Lord President of the Council, Mayor of Durham, Lord-Lieutenant of Ireland, and a member of the Ulster Unionist Council.—[Photograph by Lafayatle.]

as it followed hard on the issue of the new Army Estimates, fixing our total military establishment at the very encouraging figure of 3,000,000 men, while the personnel of the Navy has also been raised by 32,000 to 250,000.

32,000 to 250,000.

This will be just as badly bitter news for the Kaiser as the formation of the international Consortium, whereof the main object is to be responsible in equal shares for advances to such of those smaller and less wealthy States as join in the war—States like Belgium, Serbia, Roumania, Greece, and even, perhaps, Italy and Japan, should they decide to chip in and have a hand in the great war-game. The Consortium in question has other economic aims, all

adverse to Germany, and at Berlin it is sure to be regarded as a financial measure of the most far-reaching importance—a counter-stroke of some Colbertian genius, but of the Satanic kind, greater than the corrupter of all the Napoleonic Continent with "Pitt's gold." Should our wonderful Chancellor of the Exchequer prove to be the intellectual author of that brilliant scheme, it will be credited to him as one of the cleverest and most effective things he ever did.

If the Kaiser once referred to Mr. John Burns as a "curséd little grasshopper"—for doubting whether the German Army continued to be "what it was in the old days"—what will he now say of Mr. Lloyd George and his establishment of the "Three-Power Pool"? Short of our recovery of Antwerp, this was the worst possible news that could have reached his interior.

, this was the worst possible news that could have reached his piratical Majesty on the Polish front, whither he had hastened after distributing Iron Crosses to the crew of the U2x Submarine at Wilhelmshaven, hoisting the "Jolly Roger," examining the serious damage done to several of his battle-cruisers by Sir David Beatty's squadron, and hearing—as we ourselves now authentically learn from Constantinople—that the Goeben, having struck a Turkish mine, is "absolutely beyond repair"—in the Golden Horn, at least.

Golden Horn, at least.

The Kaiser, I say, after leaving the head-centre of piracy in the North Sea, had again hied him to the Polish seat of war—where he had been forestalled by his fellow-Sovereign, the Tsar—in order to comfort his broken legions, which had received such another dreadful battering from the Russians, mainly on the line of the Bzura affluent of the Vistula, which the Germans, on a comparatively narrow, seven-mile front, had sought to force with dense mass-formations of 140,000 men and 600 guns—just about the number that finally drew a circle of death and destruction round the heights of Sedan. But, if we are to believe the telegram about this Polish battle, lasting several days, all the wild-bull fury of the Germans was baffled in the bravest manner by the Russians, who fought with an obstinate valour worthy of the invincible soldier-race which inflicted on Frederick the Great one of his bloodiest defeats—at Kunersdorf, and all-but overwhelmed him at Zorndorf.

Triumphant on the river Bzura, the Allied cause was equally victorious on the Suez Canal, against which the Turkish attack from Syria, inspired and led by German officers, ended in a perfect fiasco, after sporadic fighting lasting over several days.

A German Major shot during one of

A German Major shot during one of the engagements was found to be "carrying a white flag in a specially designed khaki wallet"—so as to be ready for all emergencies, except the one which had now befallen him.

In killed (of whom there were over 500), wounded, and prisoners, the Turkish casualties amounted to some 1200; and the baffled remnant of the Ottoman rabble-force of 12,000—which is said to have reached the Canal, or at least points within range of its fire—

said to have reached the Canal, or at least points within range of its fireturned tail and went rolling back to Syria as fast as ever it could. It was one of the maddest of military enterprises ever attempted, and will probably never be renewed. But it gave the Australasians their baptism of fire. It also furnished welcome food for merriment to our invincible men in Flanders, who are likewise weltering about in a world of ditch-water and canals which the Germans find it equally impossible to cross; nor has the courage of our Tommies been depressed, but rather steeled, by the official statement that our various casualties of all ranks in the Western area of the war alone for the first six months of its waging amounted to about 104,000.

LONDON: FERRUARY 9, 7015.

THE DEADLY LAND-MINE: ITS OBJECTIVE AND A TYPICAL EXPLOSION.



WHAT A LAND-MINE IS FREQUENTLY USED TO DESTROY: MEN WHO MAY BE HURLED INTO THE AIR BY AN UNDERGROUND EXPLOSION-A TYPICAL SECTION OF TRENCHES.

In this photograph is seen the kind of objective against which land-mines are frequently used in siege-warfare—that is, a typical section of trenches; in this case, Austrian. In the note by Mr. Frederic Villiers given in this Number under his double-page drawing of a land-mine exploding in German entrenchments, it is mentioned that sometimes over a hundred men are involved in the upheaval. On one occasion, for example, forty men were blown to pieces at once in a land-mine explosion, and eighty were badly wounded. Such is one of the many perils to which entrenched infantry in modern warfare are exposed!—[Photograph by Topical.]

for example, forty men were blown to pieces at once in a land-mine explosion, and eighty were badly wounded. Such is one of the many perils to which entrenched infantry in modern warfare are exposed !—[Pholograph by Topical.]



WHAT WOULD HAPPEN TO A SECTION OF TRENCHES AND THEIR OCCUPANTS IF A LAND-MINE EXPLODED BENEATH THEM: "AN UPHEAVAL OF EARTH AND DÉBRIS."

It is interesting to compare this actual photograph of a typical land-mine explosion with the double-page drawing by Mr. Frederic Villiers elsewhere in this Issue, referred to above. Mr. Villiers writes in his note on the subject: "There is very much of the débris consists of torn limbs and other portions of human bodies.

Photograph by Newspaper Illustrations.

A WONDER OF NOTRE DAME BREBIÈRES: AT STRICKEN ALBERT.



HOLDING OUT HER DIVINE BABE IN SILENT APPEAL OVER THE HAPLESS TOWN: A STATUE OF NOTRE DAME ON THE CHURCH TOWER AT ALBERT DISPLACED BY A GERMAN SHELL AND HELD SUSPENDED IN MID-AIR.

This remarkable effect of a German shell which struck the summit of the church of Notre Dame Brebières at Albert might well seem, to the superstitious; to be in the nature of a miracle. The shell partly smashed the ironwork that held in place the pedestal of the statue of the Virgin surmounting the tower, with the result that it fell partly over and remained suspended at right angles to the tower. Miracles apart, the sight of this type of sacred motherhood holding out in her arms the infant Saviour, thus made a victim of destruction, seems to symbolise the protest of Christendom

against the German outrages committed upon its holy places. The church at Albert, which had been restored shortly before the war, used to attract many pilgrims. The town was called Ancre until, in 1617, Louis XIII. presented it to Charles d'Albert, Duc de Luynes. It was near Albert, by the way, that the Germans recently sent fire-boats down the River Ancre, on which the town stands, to damage the French positions. "These contrivances," said a Paris communiqué, "were stopped before they exploded."

THE PRINCE OF WALES AT THE TRENCHES: A VISIT TO THE FRENCH LINES IN ALSACE.



THE GERMAN POSITIONS FROM THE FRENCH ADVANCE-TRENCHES.

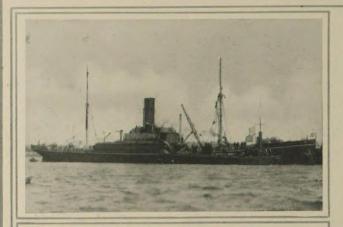
The Prince of Wales has recently been visiting the French lines in the reconquered districts of Alsace, under the guidance of two French Generals. Soon after the war began, it will be remembered, he joined the Grenadier Guards, and, as from November 14, he was appointed an Aide-de-Camp to Sir John French. His Royal Highness has spent his time since in making himself thoroughly acquainted with the work of the troops at the front. On November 16 he was already at Boulogne on his way to General Headquarters, where his zeal and modest hearing soon won him golden opinions. Although nominally attached to the General Staff, he was not tied to it, but was attached in turn to Army Corps, divisional, and brigade headquarters. So he went about visiting the various troops and services, driving his own car, and generally taking a six-mile walk before breakfast. The news that, on December 9, he had been promoted to the rank of Lieutenant found him at Rouen, where he paid a surprise visit to the cavalry emount depôt and the British veterinary camp for horses, greatly

THE BRITISH HEIR-APPARENT ON ALSATIAN SOIL RECONQUERED FROM GERMANY BY THE FRENCH: LIEUTENANT H.R.H. THE PRINCE OF WALES LOOKING TOWARDS

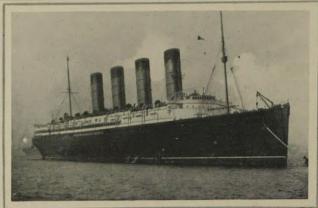
to the delight of the men, who cheered him heartily. He also visited the military hospitals and ambulance stations. His jurneys to different parts of the battlefield had now been extended to the French lines, and on January 17, we find him at Nancy, where he visited the devastated district round Lunéville and Gerbéviller. From Nancy he went on to Belfort, and thence to the front in Upper Alsace. A charming description of the Prince with his officers at an hotel in Senlis, about this time, written by M. Marcel Laurent, the well-known French novelist, showed how his unaffected manners and simplicity of tastes won the hearts of the French people wherever he went. The Prince's subsequent journeys have included a visit to the Canadian hospital at Le Touquet on January 29. The following day he was back at General Headquarters, where he was invested with a Russian decoration by General Prince Yousoupoff, A.D.C. to the Emperor

THE CAMERA AS RECORDER: NEWS BY PHOTOGRAPHY.

PHOTOGRAPHS BY ALPIBRI, TOPICAL, LONDON ELECTROTYPE AGENCY, UNDERWOOD AND UNDERWOOD, AND SPORT AND GENERAL.



THOUGHT TO HAVE BEEN SUNK BY A GERMAN SUBMARINE, HER CREW BEING LEFT TO DROWN: THE LONDON STEAMER "ORIOLE," TORPEDOED IN THE CHANNEL.



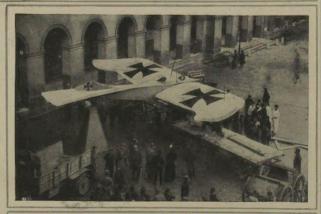
ADVISED BY THE ADMIRALTY TO HOIST THE STARS AND STRIPES TO SAVE THE PASSENGERS FROM GERMAN ATTACK: THE CUNARD LINER "LUSITANIA."



THE "SILVER BULLET" CONFERENCE IN PARIS: THE THREE ALLIED FINANCE MINISTERS, M. BARK, M. RIBOT, AND MR. LLOYD GEORGE, IN SESSION AT THE MINISTRY OF FINANCE IN PARIS.



THE EUROPEAN CLEARING-HOUSE FOR PRISONERS OF WAR: IN THE CORRESPONDENCE-ROOM OF THE GENEVA BUREAU FOR ALL NATIONS.



A PLAIN HINT TO OUR OWN AUTHORITIES—THE DISPLAY OF GERMAN TROPHIES TO THE FRENCH PUBLIC: A TAUBE AT THE INVALIDES.

The "Oriole," a new cargo and passenger vessel of 1489 tons, belonging to the General Steam Navigation Company, left London for Harre on January 29, with a crew of twenty-one hands. She did not arrive, and on February 7 two of her lifebuoys were picked up near Rye. On February 9 the Admiralty announced: "There is grave reason to fear that she may have fallen a victim to the German submarine which torpedoed the 'Tokomaru' and 'Ikaria." ——The Cunard liner "Lusitania," when nearing the Irish coast on her voyage to Liverpool, received on February 7 a "wireless" from the Admiralty advising the hoisting of the United States flag as a safeguard against the threatened German submarine attacks. Under those colours the "Lusitania" proceeded

port. An interesting point of international custom is raised by the incident.—During the last week of January, Mr. Lloyd George crossed to Paris to confer with the Finance Ministers of France and Russia, M. Ribot and M. Bark. M. Bark is on the left of the photograph, and M. Ribot in the centre. The decision was come to for the Three Allied Powers "to unite their financial resources.... for the purpose of carrying the war to a successful conclusion."—Geneva has been accepted as the clearing-house of Europe for all matters connected with prisoners of war.—We may well envy the Parisians the display of German trophies at the Invalides. Numbers of German cannon are on view, and, as our Illustration shows, a captured Taube has joined the collection.

HARVESTING UNDER FIRE; AND THE HARVEST OF DEATH, THE REAPER.

LOWER PHOTOGRAPH BY ILLUSTRATIONS BUREAU.



WORKING IN THE FIELDS BETWEEN THE BRITISH AND THE GERMAN TRENCHES WHILE BULLETS WERE WHIZZING ALL ABOUT:

PEASANTS THRESHING UNDER FIRE AT THE FRONT.



THE HARVEST OF DEATH: GERMAN SOLDIERS KILLED WHILE ATTEMPTING TO STORM THE FRENCH LINES BETWEEN SOISSONS AND BERRY-AU-BAC, ON THE GERMAN EMPEROR'S BIRTHDAY.

The first of these two illustrations is especially remarkable inasmuch as it shows, as we have already noted, peasants threshing under fire. In the centre is seen the threshing-machine, and on its left, as one looks at the photograph, are the peasants at work. In the background are British soldiers digging the second line of our trenches. About a thousand yards away from this second line was the first line of British trenches, and fifty yards further on w s a line of German trenches. As the peasants worked, and while

this photograph was being taken, bullets were whizzing all about. So harvesting toolplace in the midst of death. Our second photograph shows a very different kind of
harvest—, harvesting at which Death was the reaper. It was taken after the final root
of a determined attempt made by the German Emperor's troops to storm the Frenca lines
between Soissons and Berry-au-Bac on the All-Highest War Lord's birthday. The soldier
standing amid the many bodies of Germans ..., of course a Frenchman.

THE ILLUSTRATED I ONDON NEWS, FEB. 13, 1915.-203

PHOTOGRAPHED UNDER FIRE: DURING THE MONTHS OF NIGHT-AND-DAY BATTLES FOR THE RIVER-CROSSING.

PHOTOGRAPH BY GRANVILLE ORTESCUE (ALL RIGHTS RESERVED).



The Bzura, one of the chief Polish affluents of the Vistula on the south bank, thirty miles west of Warsaw, has been for months pack the scene of the most formidable efforts of the Germans in the Eastern theatre of war. The Russian central army has been holding the eastern bank since November against incessant attempts by the Germans to pass the river and hack a passage through to Warsaw. It was on the Upper Bzura and its tributary the Rawka that the fearful onslaught of 150,000 Germans massed on a front of seven miles was made last week, with the result that the German attack was repelled with a loss of life equivalent to a wholesale massacre, and the Russians were left masters of points of strategical importance on the German side of the Bzura. Our illustration shows the central portion of the battlefield, and the elaborate form of attack, supported by field

SEEN FROM THE RUSSIAN TRENCHES: GERMAN POSITIONS ON THE BZURA SHOWING THE BROKEN BRIDGE WHERE THE KALISH ROAD CROSSED THE WATER.

fortifications and an immense force of artillery, which the Germans employed near Sochaczew, where the main road to Kalish crosses the river. Nos. 1 and 4 show the main line of the German batteries ranged on a sloping hill-side in the background. No. 2 is a distant white-walled farmhouse used by the Germans as a hangar for six aeroplanes and a captive balloon. No. 3 shows the German redoubts protecting heavy guns; Nos. 5 and 6 show the German infantry trenches; and Nos. 7 and 8 mark the earthworks thrown up by the Germans in their attempt: to cross the river. No. 9 is the destroyed bridge where the Kalish road crossed the water; Nos. 10 and 11 are German shell-pits in the road embankment. Without question, the photograph is one of the most remarkable of the Great War.



WENTY years ago, the engineers of all armies TWENTY years ago, the engineers of all armies practically agreed to the proposition that their work as directors of siege-operations and designers of fortifications had come to an end, and that no more fortresses would be constructed, or sieges initiated, since the mobility of field armies was the decisive factor in modern warfare. They also agreed that if Waterloo, and seizing positions just about a hundred yards below the break of a slope or the brow of a hill, entrenched themselves and let the Germans come on as they pleased.

In this position they were hidden from the terrible preparatory fire of the German artillery (the only thing they had to dread), for, though the Taubes

could still see them, they could not guide the gunners in ranging on their

target, and thus the keenest edge of the shell-fire broken. But they themselves, of course, could not see beyond the break of the slope,

either; therefore, the Germans were able to creep up to the edge and entrench, in their turn, unimpeded, and thus, after a few days, Loth infantries found and thus, after a few days, corn manties found they were facing one another at short range, and practically deprived of artillery support. This system spread like wildfire all along the line, and once the idea had been

grasped, its applica-tion in level ground to get in, so to speak, underneath the guard formed by the big shells of the German siegeartillery, followed as a natural corollary.

Three or four hundred yards

away from the German trench at C, it was clearly impossible to hold the ground, for German gunners could make sure of bursting their shells over A with ut endangering the occupants of C; but at B, say 150 to 50 yards only from C, a high explosive shell bursting midway

was about equally dangerous to both, and one bursting short meant practically a "wipe-out" for the whole German garrison.

Thus for the time being the two infantries were left to fight things out alone, and instinctively they went back to the old appliances and methods of two centuries ago. First amongst these came the revival of what was known as the

> Dutch engineer (who had attacked and defended many places in the same locality), and was merely a small brass mortar, with a bore of from 4 to 5½ inches, mounted on a wooden bed, which could easily be carried about by hand to convenient places in the trenches and used for "lobbing" shells for short distances—a couple of hundred yards the outside; or it threw boxes of hand-grenades,

Coehorn,

trench-mortar which owed its name to

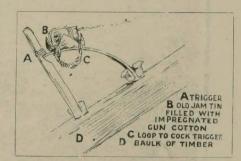
celebrated

little shells weighing about 3 lb., in a "bouquet," as it was called. Here the Germans, greater foresight than the Allies, had gone a step beyond us, and had actually provided themselves with mortars of this description, the so-called *Minenwerfer*—mine-throwers—and they had also

devised silent mortars which discharged quite large, high-explosive charges by means of com-pressed air, or other gas brought up in cylinders.

Fortunately, both these inventions have proved rather too heavy for convenience—and, though we are rapidly providing an answer to them (in which, I trust, this essential condition of weight will not be overlooked), I am inclined to think that the British expedient of the old Roman onager—co called because it kicked like a wild ass-is the best expedient of the kind vet in use

The sketch indicates its construction. The complicated "Spanish windlass" of twisted cord used



THE "OLD ROMAN ONAGER" AS USED IN THE BRITISH TRENCHES TO-DAY: AN EMERGENCY "THROWER" FOR HURLING JAM-TIN GRENADES INTO THE GERMAN TRENCHES.

in the old Roman type has been abandoned, and its place taken by a simple steel spring, taken out of a railway-truck, or any steel works, and mounted on a sleeper. As will be seen, the trigger is simplicity itself—practically the same thing as that used by boys in setting brick-traps for birds. Because its capacity is limited to charges of only some 10 to 15 lb., there is little danger of the particles thrown off in bursting damaging anybody except the enemy; whereas with the very considerable charges flung by the minenwerfer, and similar in the old Roman type has been abandoned, and

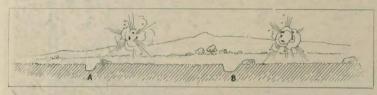


WITH A CLEAR 100 YARDS FOR THEIR RIFLES TO WORK IN: THE MANNER IN WHICH BRITISH ENTRENCHED THEMSELVES - THE EDGE OF THE ENEMY'S SHELL-FIRE BROKEN.

you had money to spend, you obtained better value for it by concentrating on roads, railways, bridges of all sorts—on anything, in fact, save only on bricks and mortar locked up in permanent works.

I rather think that history would have justified

this conclusion, but for the sudden appearance of one

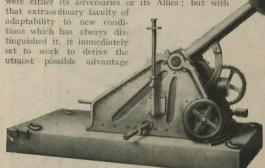


AFTER THE SYSTEM SHOWN IN DIAGRAM I, HAD TAUGHT A LESSON: BRITISH TRENCHES (A AND B) ON LEVEL GROUND, UNDER THE GUARD OF GERMAN SHELLS!

unexpected factor in modern warfare-namely, the astounding accuracy of the shooting made by the British infantry under conditions in which nobody

had ever expected infantry to hit anything at all. But for this power, which enabled us to fight in retreat day after day against quite unheard-of oddsfive, and even six to one—I fancy that the Cassandras of the military engineering world would have been justified in their contention; for, had our "contemptible little Army" been over-run—as, according to all the books, it ought to have been—the Germans would have swept up to the walls of Paris and crushed down the masonry defences of her forts with their heavy howitzer fire, precisely as they crushed all power of resistance in the intrinsically stronger works designed by Brialmont—at Liége, Namur, and Antwerp; and with the collapse of Paris, the whole French line of defence would have crumbled under the sledge-hammer blows of the combined German

The British Army was quite as much taken by surprise at their own prowess with the rifle as were either its adversaries or its Allies; but with



USED AGAINST BRITISH TRENCHES IN THE GREAT WAR: THE GERMAN MINENWERFER (MINE-THROWER).

from its discovery, and in so doing it set the pace to which all other armies have now conformed, and thus it has brought about a temporary recrudescence of some of the oldest methods of warfare.

Finding that they could rely on themselves, absolutely, to shatter any assault the Germans could deliver, if they only had a clear hundred yards for their rifles to work in, the British infantry instinctively threw back to what had been the practice of their ancestors in the days of the Peninsula and



USED AGAINST BRITISH TRENCHES IN THE GREAT WAR: A GERMAN TRENCH - MORTAR (CAPTURED NEAR NIEUPORT).

contrivances, a longish distance is needed between the trenches if harm is not to be inflicted indiscriminately on the occupants of both.

THE FIGHT AT THE CUTTING: AN ACTION IN GERMAN WEST AFRICA.

DRAWN BY R. CATON WOODVILLE, FROM A SKETCH BY A BRITISH OFFICER.



AT THE BROKEN BRIDGE: THE HAUSA MINONI AND HIS MASTER IN ACTION DURING THE ANGLO-FRENCH CAMEROON EXPEDITION'S BATTLE WITH THE GERMANS AT NLOHE, ON DECEMBER 6.

Describing the sketch from which this drawing was made, the British officer who sent it to us writes: "Action at Nlohe, on December 6, 1914. 2nd Lieut. Schneider, R.E. (on the right), killed, and Lieut. Luxford, 1st Nigerian Regiment, wounded, at Nlohe Bridge. They were reconnoitring the bridge (blown up by Germans shortly before) from the cutting on the south side, and were accompanied by Captain Charnley, 1st N.R., and Lieut. Luxford's Hausa orderly, Private Minoni, when they came under a murderous machine-gun fire from across the river. Minoni stayed by his master till the end of

THE GREAT STRUGGLE FOR WARSAW: WITH THE VICTORIOUS RUSSIAN ARMY ON THE BZURA AND ON THE VISTULA.



[&]quot;England can put every confidence in her Ally of the East." With these words, Mr. Granville Fortescue, writing recently in the "Daily Telegraph," concluded a remarkably interesting appreciation of the Russian Army and the work of its various departments in the war, and of the characteristics of the Russian fighting-man. The Russian infantryman he describes as "one of the finest soldiers in the world," while he gives special praise to the work of the transport and commissariat services, and of the Engineers. "The most difficult problem of modern warfare, transport, has been successfully solved by the Russian Army. Allied to the transport department are the soup-kitchens. . . The kitchens, which are, in a word, a stove and boiler on wheels, are driven at night right up to the trenches. In this manner the troops are served with a hot meal." Again, as to the important work of trench-construction:

[&]quot;There is no better trench-builder than the Russian. I have made careful studies of the trenches known as the Blonie system, and they might serve as models for the instruction of any Engineer officers. The Russian is extraordinarily skilled in woodwork. He also seems to be a natural builder, and the ground-fortifications which he has constructed cannot be improved upon. The greatest care has been taken to get the proper field of fire. The head-cover of the trenches is hardly a foot above ground, and the loop holes command the country for nearly a mile. The fields of high and low wire-entanglements are also built according to the latest accepted ideas." Blonie is some fifteen miles west of Warsaw, about half-way between that city and Sochaczew, on the Bzura, there flowing northward towards the Vistula. In the district round Sochaczew the Germans have made great efforts to break the Russian lines.

"AT ONE POINT ON OUR FRONT WE HAVE GAINED GROUND": A FREQUENT METHOD OF ADVANCE IN SIEGE-WARFARE.

DRAWN BY FREDERIC VILLIERS, OUR SPECIAL WAR ARTIST, WHO WAS INVITED TO VISIT THE FRENCH LINES.



A METHOD WHICH HAS BEEN KNOWN TO BLOW FORTY MEN TO PIECES AT ONCE: A FRENCH LAND-MINE EXPLODED UNDERNEATH A SECTION OF GERMAN TRENCHES.

Describing this drawing, Mr. Frederic Villiers writes: "This Illustrates blowing up sections of advanced trenches, a frequent incident of the week's work at the battle front. A mine explosion of this description embraces a considerable section of the enemy's entrenchments. Sometimes over a hundred men are involved in the upheaval. On one occasion, forty men were blown to pieces and eighty badly wounded. There is very little steam or smoke som in the explosions. They are simply vast upheavals of earth and débris. In the official communiqués of both sides we read often of losing ground at certain points, or gaining ground at others. This is very often how it occurs." Some examples of the immense power of the explosives used in the war were given recently by "Eye-Witness" in his "descriptive account" published

on February 8. "A remarkable illustration of the force of explosives," he writes, "was afforded on January 25. Previous to assaulting, the Germans fired a mine under our front trench near the railway triangle to the east of Cuinchy. The explosion hurled a piece of rail weighing 25 lb. a distance of over a mile into a field close to where some of our men were standing. It is reported also that on the morning of February 1 the detonation of one of our lyddite shells in the enemy's trenches on the embankment south of the canal threw a German soldier right across the railway and the canal amongst our men on the north side of the latter." The above drawing shows a mine bursting in German trenches, and, in the foreground, French troops leaving their lines to occupy the position. -{Drawar Copyrightal in the United States and Canada.}

A WHEELED SUBMARINE DESIGNED TO MOTOR THROUGH

COURTESY OF THE

N.R.-The article given below is a part of one wellton by

SUBMARINE - BOATS should be divided into two classes: one, a torpedo-boat with as high attain, with a large radius of action, capable, i possible, of exceeding battle-ship speed when on the purface, so that it may intercept a battle-fleet on the high seas and submerce in its path of approach before smaller, slower-speed, mine-evading submarines, with torpedo and mining and counter-mining features they have sufficient radius of action to reach the enemy's harbours and to lie in wait off the entrance to such harbours, or to enter submerged the harbours themselves and there destroy the enemy's craft, they have become notent weapons of the raiding Sect. To intercept a battleship at sea, even a high-speed submarine must lie in wait, perhaps for days or even weeks at a time, . . . It would have to wait a long time, also, for a battleship or fleet to pass sufficiently near to be headed off, especially if the submarine were entirely submerged, because the moment the periscope



MINE-LAYING WITH THE SIMON LAKE WHEELED SUBMARINE: A DIVER FROM THE CRAFT PLANTING MINES BELOW WARSHIPS, SHOWING THE FIRING-CASLES ATTACHED TO THE SUBMARINE.



ASSING THROUGH A MINE-FIELD: THE SUBMARINE RUNNING ALONG THE SEA-BED AND PUBLISH THE ANCHORAGE CABLES ASIDE WITH THE GUARDS ATTACHED TO HER BOW.

latest ruling of the British Admiralty, 'to steam away from the vicinity of submarines at full speed, even if it is necessary to abandon a torpedoed sister-ship and its drowning crew to their own fate.' I believe that this apparently heartless order is justified by the loss of the 'Aboukir,' 'Cressy,' and 'Hogue.' . . . The principal means used in my mine-evading submarine are the bottom wheels and diving-compartment, which were incorporated in my 1893 design, which also carried my pioneer features of lateral hydroplanes to get even keel submergence; high, watergoing submarines; anchors, and lifting and lowering sighting instruments. Excepting the bottom wheels and diving-compart submarines. Three navies have adopted the bottom wheels, etc. These mine-evadine craft are able to enter the enemy's own territory with impunity and destroy his merchant ships and war-ships in their own harbours. . . In 1903, former President Taft, then Secretary of War, appointed a Board of Officers . . . who reported: 'It will give the nearest approach to absolute protection now known to the board. . . . The boat can lie for an indefinite time adjacent to the point to be defended in either cruising, awash, or submerged condition, by its anchors, or on the bottom ready for instant use, and practically independent of the state of the water, mined or unmined channel, invisible to the enemy and able to discharge its torpedoes at all times," and for the attack, 'the boat at present installed, with but little danger from the explosion of exposes the sighting-hood for observation, and can attack at its personally witnessed the ease with which cables can be grappled, raised, and cut while the boat is manoeuvring on the bottom : mine

appears above water the quarry will take to its beels, if it follows the

cables can be swept for, found, and cut, or a direc can be sent out for that purpose. The necessity of unit features as bottom-wheels and diring-compartment is now being brought out in the present war. I believe the mining and counter-mining canter must be incorporated in one type before the submarine reaches its full directions of the control of th

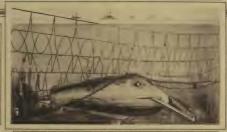


THE LAKE SUBMARINE TORPES

Hantally crough, in view of the German proposal to "Mockade" the British Goast by rubinations, more especially, under-water craft of all kinds are much under discussion. Particularly content to being them to the "character to being the complexity" interest by "Bissen Links. The "Middle" recours Korgoline and the blast to German y and sides to the statement that, as a consequence, the Corran mobinations in use against Great British are after plans by the famous American designer. More will, on doubt, be loaded of the dislication. Moreover, the content of the dislication of the

MINE-FIELDS, LAY MINES, AND ENTER DEFENDED HARBOURS.

"SCIENTIFIC AMPRICAN."



vation - mines are fired usually from shore - stations when the enemy is seen to be over them, while the contact-mine is anchored a few feet have put out contact-mines to protect their capital ships from the submarines. The dread of these mines is holding the submarines outside of the mined areas, and the mines are, therefore, effective. None of the British vessels are fitted with bottom wheels and diving-compartments, and they must be navigated at explode a contact-mine if either the mine or its anchor-rope was touched. This also applies to some of my later boats, as the bottom wheels have been omitted for greater speed. I am inclined to the belief that this has been more or less of a mistake, because the bottom-wheeled submarine can go to and 'dig' the enemy out of its base, in addition to hunting the big surface craft of the enemy on the high seas. With the bottom wheels, navigation can be conducted so carefully over the bottom that inspection of the course can be made, if desired, foot by foot, as progress is made, and all mines can be avoided.

Most mines, as at present installed, are either of the observation or contact trees the observation

THE LAKE SUBMARINE (ON WHEELS) PASSING BELOW A HARBOUR DEFENCE: THE CRAFT TRAVELLING
ALONG THE SEA-BED, AND ITS PROJECTING ARMS LIFTING THE NET, WHICH SLIDES OVER THE ROAT

during the weaving process . . . and it is a fact that cannot successfully be disputed technically, by any one, that a submarine of the type recommended by the United States Army Board may be taken into any harbour in the world entirely unseen and remain there, if necessary, for a month at a time, and destroy shipping, docks, and war-craft deliberately and leisurely, and defy discovery. My method of entering harbours or through mine fields consists principally in providing submarine-vessels with bottom wheels and other component undisclosed details. When submerged the vessel is given sufficient negative buoyancy so that she will not be drifted off her course by the currents when resting on the mobile, and it may be navigated over the bottom as readily as an automobile on the surface of the earth. The submarine-autoto mount steep grades or go over obstructions, because the vessel is so nearly buoyant that she will mount any obstruction she can submarine could not be satisfactorily navigated submerged in shallow, rough water by the same method of control as was found to be satisfactory in deeper water, for the reason that the vessel would nump up and down with the rise and fall of the sea, Neither could the vessel lie at rest on the bottom, as the lift of the ground-swell in bad weather was sufficient, even with a considerable negative buoyancy, to cause the vessel to pound so badly that the storage-battery plates would be destroyed in a few minutes. therefore suspended the wheels on swinging arms and applied a cushioning evilinder. The hull of the vessel was then free to move up and down, synchronising with the lift of the groundswell, and at the same time the weight of the wheels kept the submarine close to the bottom and able to kero her position while at rest or to be navigated over the bottom at any speed desired. Lake-boats, fitted with bottom wheels, have, in a competitive test abroad, entered land-locked and fortified harbours without discovery,



BOAT AND MINE-DESTROYER: IN SECTION. and also to keep her positions while the bottom at any speed delaired, the bottom at any speed delaired, the proposition of the state o



AFTER THE MAN HAS EMERGED THROUGH A TRAP-DOOR IN THE FRONT OF THE CRAFT:
A DIVER FROM THE SUBMARINE PLANTING A MINE FOR USE AGAINST WAR-SHIPS.

to Adoling protection new known to Banch! The best above great superiority over any existing means of attenting manus of attenting manus of attenting protection miss or form quarter. From the form quarter of the explanation of any particular miss or form quarter of the best in manuscrepture, on the best on a particular miss or the property of the particular miss or the best in manuscrepture, on the best on a particular miss or the particular miss or the property of the particular miss or the particular manuscrepture of the best of the particular manuscrepture of the manuscrepture o

A DUEL IN THE AIR: A PHOTOGRAPH OF AN AERIAL FIGHT.



A FRENCH BIPLANE CHASING A GERMAN BIPLANE: THE PURSUIT OF THE ENEMY IN MID-AIR SNAPSHOTTED BY THE OBSERVER IN A FRENCH AEROPLANE FLYING BELOW.

It was some little time before the value of air-craft in war, especially as a means of obtaining intelligence of the whereabouts of the enemy and for the directing of gun-fire, was fully recognised, but to-day it is so highly estimated that it is often the cause of an actual duel in the air, such as that by which the daring French aviator, Gilbert, recently won his Cross of the Legion of Honour, by bringing down a German near St. Quentin, when his observer shot the German observer, but the pilot escaped with a bad fall, and

DEAD ON THE FIELD OF HONOUR: OFFICERS KILLED IN ACTION.

PHOLOGRAPHS BY SWAINE, ELHOTI AND FRY, SPEAIGHT, LAFAYETIE, RUSSELL, VAN TROLOG. HAWRES, DICKINSON, SAEMON, WESTON, DOVER STREET STUDIOS, HEALIL, AND DISON.



Our portraits this week include that of Captain Maurice H. Helyar, son of Mr. and the Hon. Mrs. Francis Helyar, and grandson of Viscount Sidmouth. Captain Harold Christopher Richmond served in the South African War, and was awarded the Queen's Medal, with four clasps. 2nd Lieut. Ernest John Munby was at one time with Lord Cowdray, engaged in important engineering undertakings. Viscount Northland was the eldest 200 of the Earl and Countess of Ranfurly and was extremely popular. He married, in 1912, Hilda, daughter of the late Sir Daniel Cooper, and had two little sons. Lord Ranfurly counts among his ancestors William Penn, the founder of Pennsylvania. Lieut.

Henry Ivanhoe Vandell was in the trenches at the Aisne, and also took part in the fighting in Flanders. Lieut.-Commander W. St. John Friser, who lost his life on naval service in the North Sea, was the son of Sir Thomas R. Fraser, M.D., of Drumheugh Gardens, Edinturgh. Lieut.-Commander F. L. Coplestone, who also lost his life on naval service in the North Sea, was the son of Mr. and Mrs. Coplestone, of Barrel Well House. Chester. Lieut. Harry S. Keating was the grandson of the late Right Hon. Sir Henry Keating, and of Lady Ward, of Cadogan Gardens. 2nd Lieut. Edward A. Beauchanip was the elder son of Sir Edward Beauchamp, Member for North Suffolk.



It has repeatedly been dinned into our ears during the last decade that war is an unmitigated calamity for mankind, and that the nation which engages in it, even if victorious, must receive wounds from which it takes many years to recover. This doctrine is naturally very popular among capitalists and factory-owners, whose ideal state is one where the ign-ble many toil at the smallest wage for the exclusive benefit of the rich, rather than noble, few. It may be doubted, however, whether it is really borne out by seience, and whether war, when not too prolonged or destructive, does not give back to

the nation more than it takes out of it. This view of the case is foreshadowed, though hardly demonstrated, in the address lately delivered by Professor Anatole Chauffard, of the Académic de Médécine, to the Alliance d'Hygiène Sociale, under the Presidency of Pasteur's successor, Dr. Roux.

In the first place, the moral effects of a vast war, such as that which we and our Allies are at present waging, have to be considered. Something like a twelfth part of the male population is withdrawn by it from civil life, and has to work actively for the safety or, it may be, for the honour of their country. As the great majority of this twelfth are necessarily drawn from the youth of the proletariat, who, till then, have been too much engaged in an unceasing struggle for the necessaries of life to give much thought to anything else, there is thus brought home to many of them, for the first time, the fact that there are things in this world worth striving for besides a sufficiency of food and drink. The importance of subordination and order, the necessity of standing by one's comrades even at the risk of one's own life, and even the value of such abstract and intangible things as the honour of a regiment, thus come as a new revelation to many of our soldiers.

Not less striking are the advantages of life with the colours on the physical side. In youth, or early manhood—in any case when the frame is not too firmly set to be beyond the power of education—the soldier is freed from the care of attending to his own sustenance, and is



nourished on a sufficiency, or even an abundance, of the diet which is not the most pleasant, but the best fitted for him. At the same time, the power of his muscles and nerves is systematically and scientifically developed, he is well and warmly clothed and shod, and he is made to pay attention to personal cleanliness, and to all that is summed up in the word hygiene. If the precautions dictated by the best scientific



FIGHTING BACTERIA ON THE BATTLEFIELD: A VIEW OF THE INTERIOR OF THE PRINCESS CHRISTIAN MOTOR BACTERIOLOGICAL LABORATORY.

OF THE PRINCESS CHRISTIAN MOTOR BALLERIOLOGICAL LABORATORY,
As we have noted in "The Illustrated London News" before, a motor bacteriological
laboratory has been presented, anonymously, to the War Office, for service at the front.
A motor-cyclist attends it, for proceeding near the fighting-line and bringing samples
of bacteria for examination. The laboratory, which, as our photograph shows, is
excellently equipped, cost \$2000, and is of 25-30-h.p. The whole of the interior was
designed and constructed by Messrs. Baird and Tatlock, Ltd. The Petri dishes are
used for growing cultures. The centrifuge, which is revolved by hand, so that it
makes 3000 revolutions a minute, is used to separate foreign matter from the bulk.



opinion in Europe are observed, as they should be in all armies, he is, in addition, protected by inoculation against those particular diseases which in civil life take so large a toll of him and his kind, and in some cases—that of smallpox, for instance—the immunity thus conferred lasts for a considerable number of years. It is not too much to say that, if he escapes serious and permarent injury by the regular risks of war, he returns to civil life twice the man he was before he enlisted.

Let us now see what effect this is likely to have on the future of the race. The soldier is, by the practice of all nations, chosen out of those of the race who are physically the best fitted to perpetuate it. The blind, the deformed, and the insane, who under our present system of government are not debarred from marriage, are yet by their very affictions excluded from the ranks of the Army. The soldier's body is well nourished and tended at that period of its existence when nourishment and care have the most effect, is strengthened by careful and judicious exercise, and is hardened by exposure to the necessary conditions of war. At the same time, his mental qualities are developed on the side of alertness and the intelligent comprehension and execution of orders, he has to show himself prompt and resourceful in emergency, and there are held before him ideas neither ignoble nor ill-adapted for the welfare of the race. Much nonsense has been talked in this country of late about eugenics, and it may be doubted whether moral or mental qualities are always or often inherited; but it might be confidently put to any breeder of stock whether he would not prefer to any other, as the father of future generations, an animal reared under such physical conditions.

Professor Chauffard also touched on another side of the question. The falling-off—or, to speak by the card, the arrest—of the increase of the population among highly civilised nations is one of the most serious questions hitherto confronting them; but the war may do something to solve it. Women, as we all know, admire the brave and virile, and the soldier, with or without a pension, should therefore find marriage more within his reach than if he had always remained a civilian.— F. L.



FROM THE FRONT-END, LOOKING TOWARDS THE DOOR: THE INTERIOR OF THE MOTOR BACTERIOLOGICAL LABORATORY.



FROM THE LEFT-HAND SIDE, LOOKING FROM THE DOOR: THE INTERIOR OF THE MOTOR RACTERIOLOGICAL LABORATORY.

THE CAMERA AS CORRESPONDENT: WAR NEWS BY PHOTOGRAPHY.

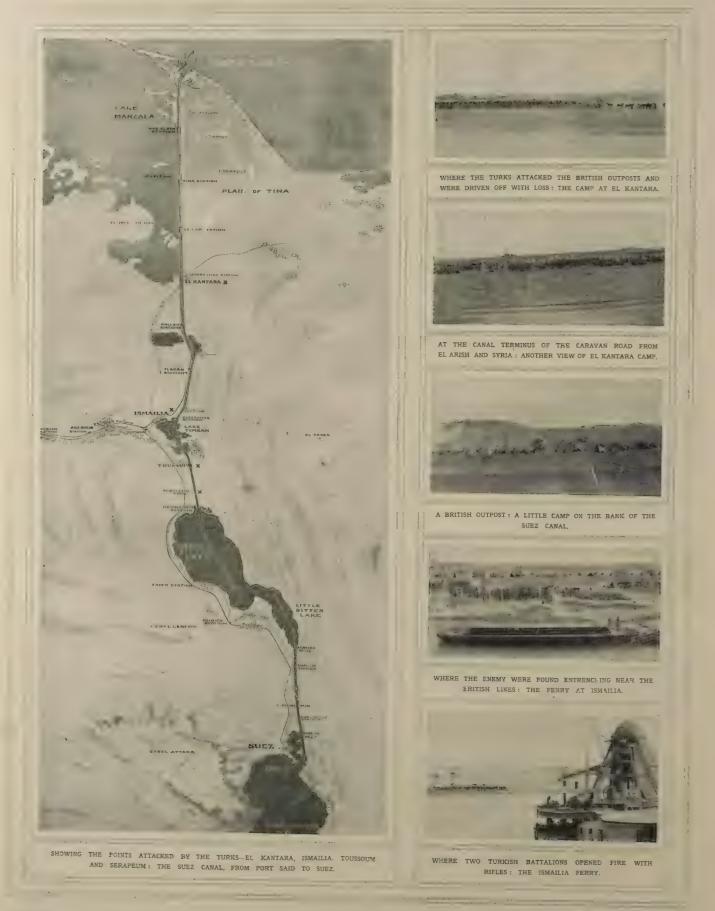
PHOTOGRAPHS BY ILLUSTRATIONS BURFAU, C.N., WOLF, SPORT AND GENERAL, AND L.N.A.



Our first illustration shows part of the French fleet at Malta. "When the war began," said Mr. Churchill in a recent interview in Paris, "I chatted with the chiefs of your Navy, and when we had made our arrangements, I said to them: 'Malta will be your base. Concider Malta as a second Toulon.'" -Our second illustration shows South African rebel leaders—Captain Denyssen (first of the three men on foot), and two relatives, being escorted to Pretoria by a mounted patrol.—Our third illustration shows the second Australian Contingent marching through Melbourne on December 17, when starting for Egypt.—Admiral von Pohl is the Chief of the Staff at the German Admiralty who signed the notification of Germany's intention to "blockade" the British

Isles.—Lady Dorothie Feilding, daughter of the Ear! of Denbigh, is doing active and useful work with the Munro Flying Ambulance, and has been honoured by King Albert with the Order of Leonold, the highest Belgian decoration.—General von Bissing is the German Governor-General of Belgium; who "imprisoned" Cardinal Mercier. He is seen in his office in Brussels.—Illustrations N-s. 7 and 9 show a Zouave officer and two privates in the new grey-green field uniform which has replaced the blue coat and prutalons garances the Freench Army has worn for seventy years in peace and war.—Illustration No. 8 shows a newly designed collapsible wooden military hut. It is 22 feet long, 14 feet wide, 15 feet to the pitch of the roof, and can take fifteen soldiers.

THE FIGHT FOR THE SUEZ CANAL: SCENES OF THE TURKISH DEFEAT.



The official account, issued at Cairo, of the fighting on the Suez Canal on February 3, said: "Toussoum post was attacked at 3 a.m. by the enemy's infantry, and at the same time a determined attempt was made under cover of heavy Maxim fire to cross the Canal by means of pontoons and rafts. At daybreak the enemy were seen advancing. Their artillery fired on Toussoum and Serapeum, and was answered by our artillery and the fire from our ships. After a certain amount of fighting, including an advance from Serapeum, the enemy retired at 3.30 p.m. . . . At the Ismailia Ferry at daylight the enemy were

found entrenching 700 or 800 yards from our posts. Two battalions fired on us with rifles. During the day there was intermittent fire, but no infantry attack. At El Kantara our outposts were attacked between 5 and 6 a.m. The enemy were driven off." A later official announcement stated: "Evidently the engagements of the past two days were more important than was at first imagined. The enemy left on the field more than 400 killed, and 600 prisoners were taken. Allowing five wounded for each man killed, this would give a probable total of at least 2400 casualties, exclusive of the prisoners taken."









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Men's Shoes for Spring



MONTE CARLO.

YARS and rumours of wars have certainly deprived sketched out by the management of the Casino with a most liberal hand. A most seductive programme had been proposed for the sporting gunners who come from all parts of Europe, and one may say from

every quarter of the globe able to hand their name down as champions of that has taught many who are now at the front to shoot quickly and straight Opinions differ as to pigeon mooting; while some of our English society leaders have reproved the pastime they do not disapprove of the butcher in his smock who slavs the lamb and calf, bled to death that the meat may be white and toothsome. The annals of the rough-shooting ground at Mont Agel, where the golf links of Monte Carlo have been created, could tell how many of the gentler sex might have been seer a year ago, with gun on shoulder, roaming over the ground, eve alert for any game which might cross their path. All hopes of shooting have had to be abandoned. In the first place, the importation of pigeons was prohibited by the military authorities, who thought that the Ger-

mans had enlisted too many in their service of espionage for the purposes of their informants by pigeon-post. In the second, the Commandant of the Fort at Mont Agel stolidly set his face against the discharge of firearms on the plateau. Sport with the gun thus became impossible. The only outdoor sports tolerated were on the links and in the tennis-courts, the latter up to the present having received most patronage from their vicinity to the Casino, where Plutus lures so many in the

hope of becoming adopted children of Fortune. Even here the ruling powers were doomed to disappointments, for the engagements of lyric and dramatic stars for the entertainperforce to be cancelled. The men 1.d to rejoin their regiments; the women of France surrendered lucrative ngagements to serve their country under the Red Cross banner. All hope has not, however, been abandoned of

of the famous Maestro Ganne, the composer of "Le Père de la Victoire," which has been adopted as extensively as the famous "Marseillaise," and brings the audience to their bet to accompany the war hymn with heart and voice. Baccarat and bridge are at hand in the International Sporting Club; while you have roulette and trenteet-quarante in the Rooms at the Casino. There the two amiable neighbours, or adjoining numbers, "15" and "19,"

are well patronised by the superstitious who, com-bining them, read "1915" as the year of the defeat of Prussian militarism.

Visitors who cherish memories of the Monte enade on the terrace of the War-the severely the Prince of Monaco and placed at the service of convalescing English officers, and the Hotel Alexandra, there is nothing to remind one that the struggle of the century is being carried on, xcept when, now and again,

Carlo of former times, when long walks could be undertaken with pleasure, when the promise of a mountain excursion was looked forward to as a treat, will find their morning prommolested by the German clement which a year ago tended to shoulder out the English, who really discovered the Riviera. There is little save in our hearts to remind us here wounded are unable to stand the long journey. With the exception of two hotels taken over, one by



WHERE ONE CAN HAVE RECREATION, REGAIN HEALTH, AND FORGET THE HORRORS OF THE WAR:

ON THE TERRACE AT MONTE CARLO providing a certain amount of entertainment beyond the very successful concerts and selections from popular operas given under the direction of talented leaders from Belgian artistic centres. Possibly in March, M. Raoul Gunsbourg, who has secured the services of Signor Caruso, may be able

to gather round the popular tenor sufficient lyric talent to support him worthily.

The old times at Monte Carlo have been revived. Each evening at nine there is a free concert under the leadership

RC

an autocar brings over a few khaki-clad warriors to sun themselves on the terrace or in the gardens, or to listen to the concerts in the Casino. There they have access, although the portals of the famous Rooms are rigorously closed against all belonging to the Expeditionary Force Monte Carlo is happy without the Germans, and with the decrease in charges at the hotels there is certain to be an increase of visitors, glad to journey to a warm spring climate rather than winter in London.

From "THE TIMES," Jan. 28:-

"Dearest Beth, - 1000 thanks, beloved! O[W Leather Cuirass received. Post one to "Uno." All pals are environs. Am warm at last! - Tommie, France."



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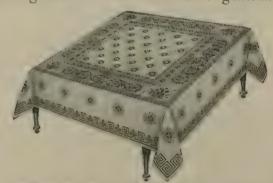
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THE LAND OF CLIVE.

THE LAND OF CLIVE.

THE interest taken in India nowadays is so general that a new book by such a well-known writer as Mrs. Penny will be widely welcomed, although it treats not of the India of the North, the home of the fighting races who are so well upholding their old renown in France, but of the hot South, the India which Clive and Wellesley conquered and which we read of in the books of a hundred years ago. "Southern India, Painted by Lady Lawley, Described by F. E. Penny" (Black), is less a description of the country than an interesting account of the races which inhabit the peninsula, and Lady Lawley's dainty water-colour sketches bring the people vividly before the reader. Several of the natives pictured were servants of Sir Arthur Lawley when Governor of Madras, and are perfect types, notably the fat old head butler, in whom many past residents of Madras will recognise an old acquaintance. Some fine specimens of the fighting Mussulmans of the Deccan show that the old warnor races of the South are not yet extinct; and the paintings include typical men, women, and children of many castes—artisans, tradesmen, religious mendicants, and villagers, besides street scenes and a few beautiful landscapes. Mrs. Penny has much to tell us of the religion, customs, and daily life of the people. In two delightful chapters she takes the reader to the cool highlands of the Nilgiris, where she tells of the strange remnants of lost races who yet haunt those hills—the Todas, among whom polyandry still survives, and the Kurumbas, now a scanty tribe of lunters, but in publisheri, days, a taket to stron, who sould gold coins, stamped only with a days; as a femal to this dry all over sould an India A strong belief in their magical powers is the only received and the first ancient greatness. Another chapter treats of Mysore, the land where

of their ancient greatness Another chapter treats of Mysore, the land where Wellington learnt his early lessons in the arts of war and statecraft, and tells of Haidar and his son Tippoo, who were really not such ruffians as Mrs. Penny describes. In



HOW OUR SAILORS ARE CLAD FOR KEEPING THE SEA: A NORTH SEA BATTLE-SHIP IN WINTER GARB.

These scamen look more like members of the Shackleton Antarctic ship's crew, than men-of-war's men. They are seen wearing the thick "duffle" suits served out to the ships of Sir John Jellicoe's fleet. The suits are made of very thick and warm material which can stand hard wear and inclement weather,

cruelty and tyranny they were no worse than their neighbours, while as broad-minded and progressive rulers they were far ahead of eay Indian Princes of their day. It is a pity that the authors have omitted to deal with the western scaboard, where the tribes of Malabar, Cochin, and Travancore are well worthy of their brush and pen; but the book will not fail to delight both those who know Southern India and those who wish to learn more of a picturesque land and people.

That rollicking farce, "Are You a Mason?" which has the merit of possessing a story as well as most laughable situations, is just the sort of piece to revive in days of stress such as the present. There is a laugh in almost every minute of its action, and laughter is good for us all just now. There is method, too, in its madness, and even farce is all the better for having some definiteness of scheme. A capital cast has been engaged for the production; to say that it includes Mr. Dagnall, Mr. Ronald Squire, Mr. Spencer Trevor, Miss Dulcie Musgrove, and, above all, Miss Marie Illington, the comedienne who excels in the portrayal of domineering wives, is to imply that not the smallest possibility of fun is overlooked.

It is interesting to know that a large number

It is interesting to know that a large number our officers and men at the front carry their own personal medicines.

to know that a large number men at the front carry their own personal medicines. They are of various kinds, but all are in the form of thin gelatine sheets (called "Lamels") divided into twenty four squares, each of which contains an ordinary dose of the particular medicine with which the sheet is impregnated. When a dose is required, it is only necessary to tear off from the sheet (as you would a postage - stamp) one of the squares and swallow it. The makers and inventors of these ingenious sheets are Savory and Moore, London. A small letter - case, made for the purpose, will hold twelve sheets, or 288 doses. Apart from lightness and portability, all danger which would arise from having glass bottles on your person when fighting is avoided.



CRAFT WITH WHICH GERMANY PROPOSES TO "BLOCKADE" ENGLAND: SUBMARINES AT WILHELMSHAVEN.

d to have possessed some thirty submarines when the war broke out. Some of them are known to have been destroyed, there were vessels on the stocks last August. Others have been begun since then. The latest set of German boats have a surface-speed of about 16 knots, and 10 or 11 knots submerged. [Photo. by Record Press.]



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"HE best authorities on toilet matters unite with the leaders of Society in acknowledging the supreme excellence and novelty of Ven-Yusa Crême de Luxe.

Read what Miss Beatrice Sinclair, known to fame as The English Venus, and well-known writer on beauty and toilet subjects, has to say about Ven-Yusa after critically examining it and comparing its wonderful qualities with the limitations and drawbacks she has experienced with old-style face creams.

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Gentlemen,—You may be interested to hear that I am
using your Ven-Yusa Crême de Luxe in preference to all others.
I suppose it is the fact that it is charged with life-giving oxygen
that makes Ven-Yusa impart a delightful young feeling to the
skin such as I have never experienced before.

skin such as I have never experienced before.

By its systematic use the skin texture is rendered peachlike in quality, and a natural beauty of complexion developed.

I also find Ven-Yusa far superior to the old-style face
creams, in that it leaves no suspicion of stickiness or greasiness.

Ven-Yusa is evidently free from mineral salts such as
alum, that gives a drawing sensation immediately it is applied,
which means, of course, that the skin is being stretched and
injured, as reaction is bound to set in.

Indeed, this greaseless Ven-Yusa must be most beautifully refined in order to have the singularly agreeable influence it does have on the skin. It is most invigorating and delicious, and I think it should form part of every lady's daily toilet. I have had a fair experience of face creams of all sorts, and in my judgment Ven-Yusa is the perfect skin dressing at last.

Yours, etc..

(The English Venus)

The novelty about Ven-Yusa is that it brings direct to the dressing-room and boudoir the rejuvenating and complexion - clearing properties of pure oxygen. Ven-Yusa thus has an unparalleled beautifying effect on the skin.

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and by costlier methods than obtain in the production of the old-style toilet creams. Ven-Yusa is the acme of refinement and novelty, and is based on an intimate study of the human skin.

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Safeguard Your THROAT & CHEST

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THE CHRONICLE OF THE CAR.

I wonder if it is the war that has Light Cars.

I wonder if it is the war that has and cycle-cars for this year of grace. The publication, for the third year, of "Light Cars and Cycle-Cars of 1915" by the Temple Press, with over seventy makes of machines described, leads me to hazard the above remark. Perhaps Light Cars.

Duo Centum.

Joking apart, though, you can now buy a duo car for £100 that is quite an efficient machine; for under £200 there is a marvellous choice of really good little light cars that can carry two persons and their luggage admirably, and some are even fitted with four-seated bodies. There are fifty-six different cars of this nature, ranging from £152 to £200, which include such names as the Horseman, G.W.K., Stellite, Chater-Lea, Morris-Oxford, Day-Leeds, A.C., Clement - Bayard, Alldays, Arden, Calcott, Enfield Charronette, Riley, Singer, Standard, Calthorpe, Marshall - Arter, Swift, Hillman, Marlborough, and Baby Peugeot. Over £200, one only finds light cars of the \$de luxe type, with coupé bodies and such-

only finds light cars of the de luxe type, with coupé bodies and suchike extravagances. Of course, when it comes to coach-work of a superior nature, it is possible to spend quite a lot of money, but for ordinary requirements I fancy the two-seater with an efficient hood and front screen is the right equipment for these little cars. As sixpence buys this full list of "Light Cars for 1915," any further details required must be gathered from this useful reference book.

Gate Control. I am well pleased that at last the Law Courts have settled the vexed question



THE NEW 17'9-H.P. ARROL-JOHNSTON MODEL : A FRONT VIEW.

self-propelled vehicles, boldly adopted it, and then took out a very wide patent. His Lordship held that this patent was too indefinite, besides being anticipated, and so invalid. The Maudslay Motor Company were made the "chipping block" for the British industry, but I expect the trade has pooled the expense in this test case. I wonder now what are the feelings of those motor-car manufacturers who have been paying revealing to the manufacturers who have been paying royalties to

AT CALCUTTA: FOUR OF THE CELEBRATED ALL-BRITISH 15-H.P. STRAKER-SQUIRE CARS.

it is the growing desire of the side-car and motor-cycle brigade to have something more approaching the car proper that has led to this influx of small four and three wheelers to be offered to the public. I can quite understand the desire of the motor-cyclist to have a "sociable" form of vehicle, though the side-car combination hardly comes into that category, but I fail to see the raison d'être of the mono-car or solo passenger cycle-car. "Some day," folks used to say, "we shall see the £100 car." Good people, that day has arrived, for already you can have a choice of eight or nine vehicles ranging from £85 up to £100, with various forms of transmission in the shape of friction, belt, and chain drive. I think I can hear the modern-day motorist pooh-pooh these prehistoric methods of utilising the power from the engine to the road-wheels, but I can assure him that all three do their work exceedingly well, especially the friction drive and chain forms. Of course, if you want a shaft or live-axle drive, like a car proper, you must spend a trifle more than the £100. Not much, in reality, for the Saxon costs £105 with shaft-drive, and a four-cylinder, water-cooled motor; while the Humberette is priced at £120, and the Warren-Lambert at £131 58. Why the five shillings I do not know, except that the Kennedy, a belt-driven machine, is quoted at exactly the same odd figure. it is the growing desire of the side-car and motor-cycle

of the gate change-control patents. Mr. Justice Warrington has now decided that Herr Maybach's patent of 1900 for this device on Mer-cédès cars was anticipated by Mr. Hampson's patent of 1898. Most motorists have been of the opinion that the wily Ger-man, finding Mr. Hampson's patent for changing driv-ing gear applic-able to various machine-tools and to other forms of driving, including



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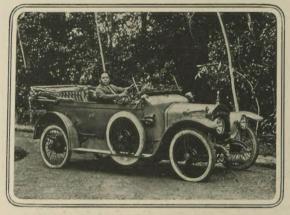
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Continued.]
Mercédès people for many years, and whether they will try and get some of their cash back.

Engine-Starter. Just at the present time I find all sorts of electrical engine-starters advertised as So-and-So's patent design. For the moment, as no one sort has any great degree of favouritism with either



MUCH PLEASED WITH HIS 12-H.P. ROVER: MR. CHOO SENG YOU. OF SINGAPORE, ON HIS NEW CAR.

car-makers or motorists, it does not matter much; but when one particular form takes the public eye I can see more work for the legal luminaries, though personally I am rather inclined to doubt whether any real patents exist. After all, this form of engine-starter is purely an electric motor or dynamo, or both combined, and these had been in existence years before cars were thought of or their lighting requirements troubled about as far as electricians were concerned. While on this subject, I might meation the 12-volt Scott electrical engine-starter that has now emerged from its experimental stages and trials, and is full-grown and ready for use. Its great claims are its power and taking less current from the batteries to produce it, as it is so electrically efficient. Some day I will test it, and then give voice to its virtues and faults, if any. car-makers or motorists, it does not matter much: but

WILLS AND BEQUESTS.

THE will of Mr. Herbert Byng Paget, of Darley House, near Matlock, and Craigie Lea, Portarlington Road, Bournemouth, who died on Dec. 16, is proved by Captain John Byng Paget, son, and Myles Atkinson Sleigh, the value of the real and personal estate amounting to £667,058. Having provided for his daughters, Mrs. Sleigh and Mrs. Holden, he gives £25,000 each to his daughters Margaret and Georgina: £20,000 to his daughter Victoria Bertie Innes; £500 to Myles A. Sleigh; an annuity of £100 to his old nurse Fanny Hayhoe; and the residue to his son. He appoints £10,000, settlement funds, to his five daughters.

The will (dated March 4, 1014) of the

funds, to his five daughters.

The will (dated March 4, 1914) of the FIFIEENTH BARON ZOUCHE, of Parham Park, Sussex, and 114, Eaton Square, who died on July 31, is proved by Darea, Baroness Zouche, sister, and William F. Stratford Dugdale, the value of the unsettled estate being 496,218. He gives £200 each to Sir William Wyndham Portal and John Stratford Dugdale; £300 to William F. Stratford Dugdale; £200 to Guy's Hospital; £100 to the British Home

Dugdale; £200 to
Guy's Hospital; £100
to the British Home
for Incurables, Streatham; £100 to Sir Philip D. Trotter;
£200 each to George and Nigel Anson;
an annuity of £200 to Colonel William
Southwell Curzon; £300 to Blanche
Marriott; £100 to Frederick Wentworth Gore; legacies to servants; and
the residue to his sister.

the residue to his sister.

The will of Mr. Edward Ecroyd, of Low House, Wetheral, Cumberland, who died on Nov. 13, is proved, and the value of the real and personal estate sworn at £222,600. He gives £1000 per annum and the use of Armathwaite House to his nephew Thomas Backhouse Ecroyd; £3000 to his vices Addalds Lore Herbert. to his niece Adelaide Jane Herbert

£4000 each to his nieces Margaret Tunstill Gertrude Hartley, Alizon Slingsby, and Edith Mary Ecroyd; £4000 to his nephew William Farrer; 500 shares in William Ecroyd and Co. each to John Ecroyd and William Basil Ecroyd; £100 to the Victoria Hospital, Burnley; £100 to the Cumberland General Infirmary; £50 each to the Home for Incurables, Carlisle, the Royal Albert Asylum, the Nelson branch of the British and Foreign Bible Society and Dr. Barnardo's Homes; and other legacies. The residue of the property is to accumulate for twenty-one years in favour of William E. Bedingfeld Ecroyd and his heirs male.

The following important wills have been proved-



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